

**INTERNAL IMAGE ANTIBODIES FOR
OPTICAL IMAGING AND THERAPY**

ABSTRACT

Methods using internal image antibodies for photodiagnosis and/or
phototherapy. The internal image antibodies are conjugated with a photoactive
5 molecule such as a dye or photosensitizer, to target specific regions, such as
biological receptors. The photoactive molecules are then activated for
diagnosis or therapy. Advantageously, the internal image antibody is specific
for a biological receptor, but does not require isolation of the receptor to
prepare the antibody, and provides the desired specificity and selectivity for
10 targeted diagnosis or therapy.